

FAA Rotorcraft Program Review Meeting

William J. Hughes Technical Center
February 13-15, 2007

FINAL AGENDA*

Day 1: Tuesday February 13

9:00-9:15 AM	Opening Remarks	Abali	FAA
9:15-10:15 AM	"Smart Patch Systems (SPS) for Condition Based Maintenance of Rotorcraft Structures"	Kumar/Ikegami	Acellent
10:15-10:30 AM	BREAK		
10:30-11:30 AM	"Health and Usage Monitoring Systems (HUMS) Advisory Circular (AC) Compliance Validation and Demonstration-Structural Usage Monitoring and Flight Regime Recognition"	Davis	Sikorsky
11:30 AM-12:30 PM	LUNCH		
12:30-1:30 PM	"Research and Development of Commercial Off the Shelf (COTS) Health and Usage Monitoring Systems (HUMS) Ground Based Station (GBS) Assessment and Guidance Development"	Robinson	Goodrich
1:30-2:30 PM	"Development, Validation, and Demonstration of Health and Usage Monitoring (HUMS) Technologies to Detect Rotorcraft Mechanical Faults"	Scholl	Smiths
2:30-2:45 PM	BREAK		
2:45-3:45 PM	"Health and Usage Monitoring Systems Ground Station Automated Testing Research"	Brooks	Smiths
3:45-4:00 PM	Closing Remarks	Agnello	FAA

Adjourn for Day 1

FAA Rotorcraft Program Review Meeting

William J. Hughes Technical Center
February 13-15, 2007

FINAL AGENDA*

Day 2: Wednesday February 14

9:00-9:15 AM	Opening Remarks	Abali	FAA
9:15-10:15 AM	"Vibration Algorithm Threshold Assessment on Test Rig and Flight Test Data"	Dempsey	NASA-Glenn
10:15-10:30 AM	BREAK		
10:30-11:30 AM	"Analytical Tools for Residual Stress Enhancement of Rotorcraft Damage Tolerance"	Newman	MSU
11:30 AM-12:30 PM	LUNCH		
12:30-1:30 PM	"Structural Usage Monitoring and Flight Regime Recognition Algorithm and Methodology Enhancement and Validation"	Anderson/Kornecki/ Rajnicek	ERAU
1:30-2:30 PM	"Rotorcraft Damage Tolerance Risk Assessment and Management"	Mahadevan/Liu/Shantz	Vanderbilt
2:30-2:45 PM	BREAK		
2:45-3:45 PM	"Small and Large Crack Damage Tolerance Databases for Rotorcraft Materials"	Newman	MSU
3:45-4:00 PM	Closing Remarks	Abali	FAA

Adjourn for Day 2

FAA Rotorcraft Program Review Meeting

William J. Hughes Technical Center
February 13-15, 2007

FINAL AGENDA*

Day 3: Thursday February 15

9:00-9:15 AM	Opening Remarks	Abali	FAA
9:15-10:15 AM	"Development and Validation of Enhanced Analysis Tools to Assess the Damage Tolerance of Rotorcraft"	Forman/Shindo	NASA-Johnson
10:15-10:30 AM	BREAK		
10:30-11:30 AM	"Development and Validation of Crack Growth Databases for Use In Damage Tolerance Approach for Aircraft Propellers and Rotorcraft"	Newman	MSU
11:30-11:45 AM	Closing Remarks	Abali	FAA

Adjourn for Day 3

***Note-**There are four additional rotorcraft projects that are not listed on the agenda due to conflicts in schedule. The review of these projects will be completed at a later date. These projects include:

<u>Project Title</u>	<u>Principal Investigator</u>	<u>Establishment</u>
HUMS Flight Test Program	Jay Fletcher	NASA Ames
NRTC Fatigue Structural Criteria and Substantiation	Jeff Schaff	CRI/Sikorsky
Rotorcraft Materials Database Development	Andy Newman	NASA Langley
Application of RCDT Methodology to Rotorcraft Masts	Xiaoming Li	Bell